・ 1737 「1777/257 カード ラフリア学界科学 まとりが研究性を包含物質

KUDRYAVTSEV, Boris Vasil'yevich; FRUMKIN, B.A., red.; HEL'NIKOVA, Ye.E., red.izd-va; TYSHKEVICH, Z.V., tekhn.red.

[Nepal; economy and foreign trade] Nepal; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1959. 115 p. (MIRA 12:10) (Nepal--Economic conditions) (Nepal--Commerce)

GALITSKIY, Nikolay Fedorovich; MOISEYEV, Anatoliy Aleksandrovich; OGLOBLIN, Georgiy Aleksandrovich; PASENKO, Igor' Aleksandrovich; FRUMKIN, Boris Solomonovich; ZOTIKOV, G.I., doktor tekhn. nauk, retsenzent; SHAURAK, Ye.N., red.; FRUMKIN, P.S., tekhn. red.

[Designs of gas turbine systems; album of drawings] Konstruktsii gazoturbinnykh ustanovok; al'bom illiustratsii. Leningrad, Sud-promgiz, 1962. 99 p. __[Description] Opisanie. 163 p. (MIRA 15:6)

(Gas turbines-Design and construction)

GALITSKIY, Nikolay Fedorovich; MOISEYEV, Anatoliy Aleksandrovich;
OGLOBLIN, Georgiy Aleksandrovich; PASENKO, Igor' Aleksandrovich;
FRUMKIN, Boris Solomonovich; ZOTIKOV, G.I., doktor tekhn. nauk,
retsenzent; MOISEYEV, A.A., nauchnyy red.; SHAURAK, Ye.N., red.;
FRUMKIN, P.S., tekhn. red.

[Design of gas-turbine plants]Konstruktsii gazoturbinnykh ustanovok; opisanie. [By] N.F.Galitskii i dr. Leningrad, Sudpromgiz, 1962. 163 p. (MIRA 15:9) (Gas turbines-Design and construction)

FRUMKIN, Boris Solomonovich; REBROV, B.V., kand. tekhn. nauk, dots., retsenzent; VASIL'YEV, V.K., nauchn. red.; SHAURAK, Ye.N., red.

[Diagram TSJ for the calculation of marine gas turbines]
Diagramma TSJ dlia rascheta sudovykh gazoturbinnykh ustanovok. Leningrad, Sudostroenie, 1965. 62 p.

(MIRA 18:8)

KITAYTSEV, G.P. inzhener [deceased]; KOSOROTOV, I.V., inzhener; TULIAYEV, N.P., inzhener; FRUMKIN, F.D., inzhener; YAKOVIEV, V.H., inzhener, redaktor; TURKOV, G.A., inzhener, redaktor; TIKHANOV, A.Ya., tekhnicheskiy redaktor

[Assembling machine tools; a concise reference manual] Montazh metallorezhushchego oborudovaniia; kratkoe spravochnoe posobie. Moskva, Gos. naudhno-tekhn. izd-vo mashinostroit. lit-ry, 1956.
123 p.

(Machine tools)

Universal magnetic table. Mod. metallorezh stan. no.1:22-23 158.

(MIRA 12:12)

(Factories—Equipment and supplies)

FRUMXIN, Froim Davidovich.

Machining bed guides during repair. Mod.metallorezh.stan.

no.5:3 '59. (Machine tools--Maintenance and repair)

(Machine tools--Maintenance and repair)

FRUMKIN, F.D.; NEVSKIY, A.A.

Analyzing troubles and breakdowns of machine tools.

Mashinostroitel' no.9;22 S'65.

(MIRA 18:12)

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FRUMKIN, G.; VODOP YANOV, I.; KOROBKOV, A.

Building control by State Bank branches. Den. i kred. 21 no.3: 39-46 Mr '63. (MIRA 16:3)

1. Nachal'nik tekhnicheskogo otdela Leningradskoy gorodskoy kontory Gosbanka (for Frumkin). 2. Nachal'nik tekhnicheskogo otdela Stavropol'skoy krayevoy kontory Gosbanka (for Vodop'yanov).
3. Starshiy insh. Stavropol'skoy krayevoy kontory Gosbanka (for Korobkov).

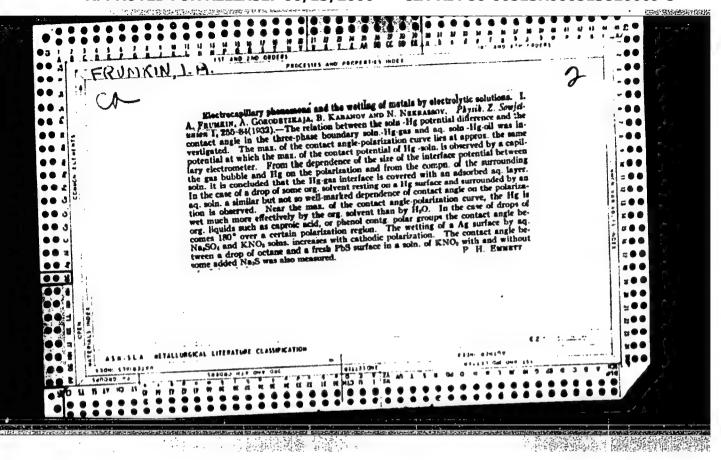
(Construction industry—Auditing and inspection)
(Banks and banking)

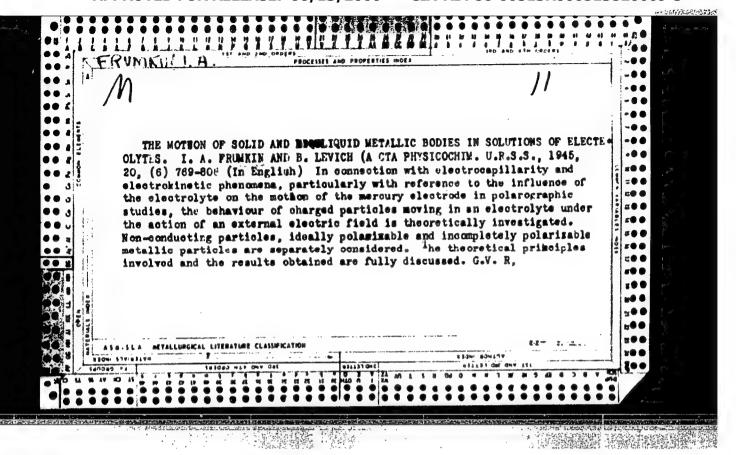
FRUMKIN, Georgiy Davydovich; LEVITIN, Ye.A., retsenzent; FROLOV,
A.D., retsenzent; GOROKHOYA, S.S., tekhn. red.

[Design and construction of radio apparatus] Raschet i
konstruirovanie radioapparatury. Moskva, Izd-vo
"Vysshaia shkola," 1963. 318 p. (MIRA 17:2)

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ANDREYEV, I.A., prof.; GLUSKIN, L.Ia., kand.tekhn.nauk; LITVINOV, V.D., inzh.; KOVACHICH, V.A., inzh.; FRUMKIN, I.A., inzh.; HOSHCHUK, Ya.I., inzh.; DOLBILKIN, V.I., inzh.; ROMANOV, P.A., inzh.; SOYKO, A.B.

Using furnaces with basic high-refractory arches to improve the quality of chromium steel. Stal! 20 no.10:896-898 0 160. (MIRA 13:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut i Izhorskiy zavod. (Chromium steel--Metallurgy) (Open-hearth furnaces)

ACC NR: AP6031708

(/.) SOURCE CODE: UR/03: -/66/000/007/0041/0042

AUTHOR: Frumkin, I. A. (Engineer); Kozlov, V. I. (Engineer); Kuznetsova, A. V. (Engineer)

ORG: none

TITLE: Attempt to construct a high-pressure reactor for operation at high temperatures

SOURCE: Khimicheskoya i neftyanoye mashinostroyeniye, no. 7, 1966, 41-42

TOPIC TAGS: metal heat treatment, thermal fatigue, pressure vessel, metallurgic process, chemical reactor / 25Kh2MF steel, 25Kh3MF steel

ABSTRACT: The design of a reactor for operation at 1500 atm and 400°C (for the production of synthetic minerals) is described. The reactor (autoclave) body was made of 25Kh2MF steel and the cover was made of 25Kh3MF steel. After forging, both pieces were subjected to lengthy, multi-stage thermal treatment at 150-1010°C and 4-56 hr duration. After this treatment, both the reactor body and the cover had higher mechanical properties than those required for operation at 1500 atm and 400°C. The assembled reactor passed the 1875 atm test. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 18, 13 SUBH DATE: none/ ORIG REF: 001

UDC: 66.023.7-987.002.2

Card 1/1

L 10075-67 EWT(d)/EWT(1)/EWP(f)/EWP(c)/EWP(k)/EWP(h)/EWP(1) IJP(c) TO	
ACC NR: AT6024296 (A) SOURCE CODE: UR/2857/66/000/058/0089/0100	
AUTHOR: Neymark, A. I. (Doctor of technical sciences, Professor); Frumkin, L. P.	
ORG: none	4
TITLE: Mathematical programming in the formulation and solution of production line reliability problems	The same of the sa
SOURCE: Leningrad. Inzhenerno-ekonomicheskiy institut. Trudy. no. 58, 1966, Matematiko-ekonomicheskiye problemy (Mathematical and economic problems); trudy Mezhvuzovskoy nauchnoy konferentsii Primeneniye matematiki i elektronno-vychislitel'noy tekhniki v ekonomike, 1964 g., 89-100	
TOPIC TAGS: linear programming, reliability engineering	
ABSTRACT: Production line reliability is defined in terms of volume, quality, and rate of output. These properties are assessed in application to each unit position in the line, to the totality of units, and to the line as a whole. Three aspects of reliability are distinguished: a) extensive reliability, defined by the reliability of the operation of equipment; b) intensive reliability, defined by the stability of output in a unit of time and c) reliability in quality control. In the first, parameters of rejects and those of reparability are taken into account. The following formula is used to define extensive reliability:	
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L 10075-67 ACC NR: AT6024296

$$p = \frac{t_p}{t_p = t_n}$$

for the case of a single working place; here, t_p is the average time between two rejects and t_n is the average time lost in removing the reject. Graphical illustration is used to show how production may be programmed in order to increase the reliability of production on the basis of a study of extremal problems. Orig. art. has: 4 figures, 42 formulas, 1 table.

SUB CODE: 12,13/

Cord 2/2

SUBN DATE: none

L 12015-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 ASD(m)-3 RM ACCESSION NR: AP4046467 S/0032/64/030/010/1222/1224

AUTHOR: Voyutskiy, S. S.; Yagnyatinskaya, S. M.; Frumkin, L. S.; Yepiseyeva, S. N.; Rayevskiy, V. G.

TITLE: Method for determining the adhesion of polymers to powder fillers

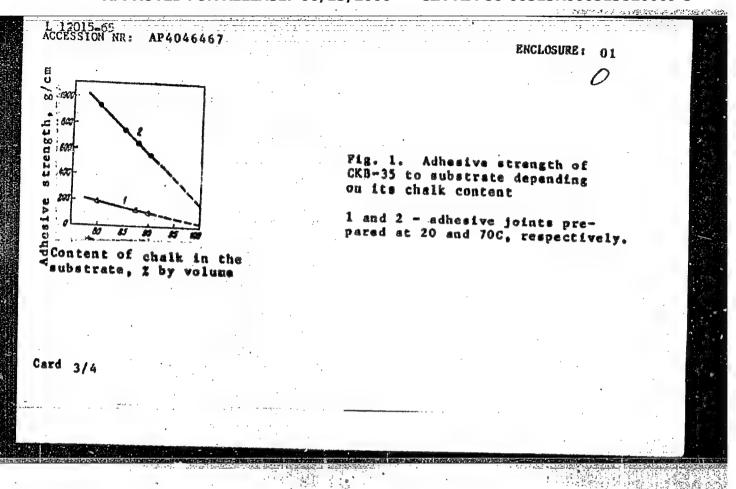
SOURCE: Zavodskaya laboratoriya, v. 30, no. 10, 1964, 1222-1224

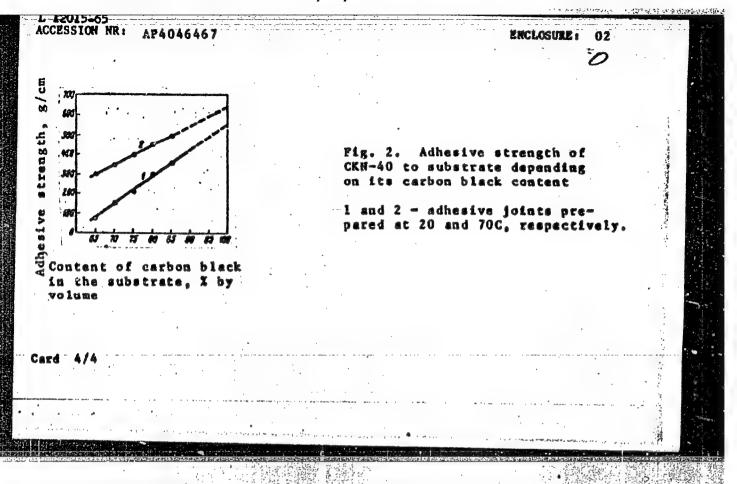
TOPIC TAGS: adhesion, polymer, filler, powder filler, sodium butadiene rubber, nitrite rubber, chalk, chemical black

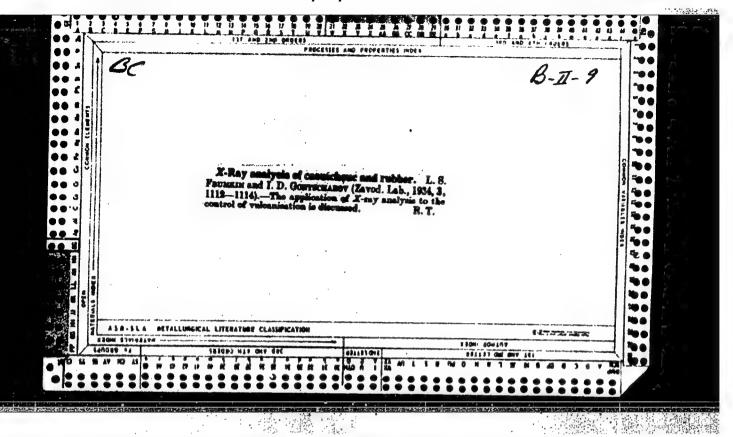
ABSTRACT: A new method has been developed for determining the adhesion of polymers to any powder filler. The method is based on the use of substrates prepared from mixtures of various amounts of a powder filler with a binder. The surface of the substrate must be mechanically pretreated and cleaned to ensure close contact between the filler particles and the polymer. The adhesion of the polymer to the pure filler was determined by graphic extrapolation of experimental curves of adhesion values versus binder/filler ratio to a zero binder content. The results of experiments conducted with: 1) sodium buts-

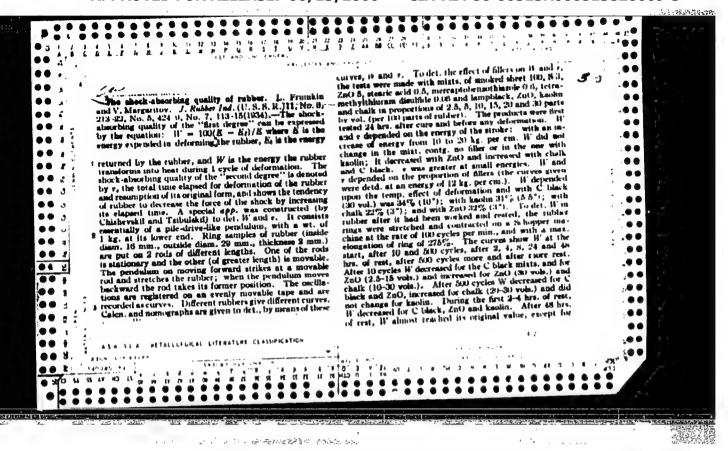
Card 1/4

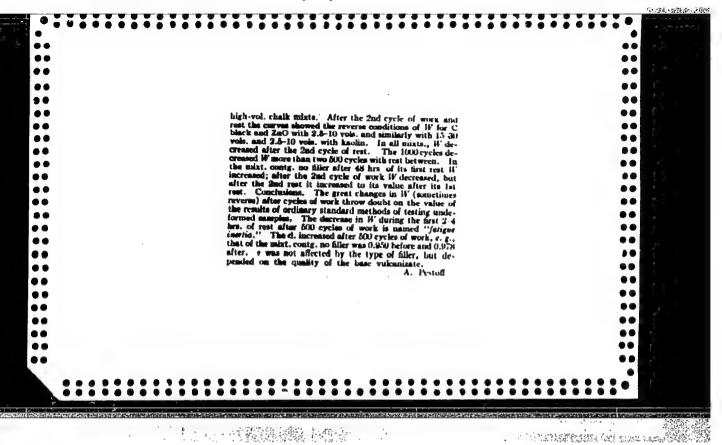
L 12015-65 ACCESSION NRI AP4046467 diene (CKB-35) rubber as the polymer and mixtures of poly(vinyl alco-hol) (binder) and chalk (inactive filler) as the substrate, and 2) with nitrite ((CKN-40) rubber as the polymer and mixtures of poly(vinyl alcohol) (binder) and chemical black (active filler) as the substrate are given in Figs. 1 and 2 of the Enclosure. The dotted lines are the curve sections extrapolated to a zero binder content. Their intersections with the ordinate indicate the adhesion of the polymer to the pure filler. Orig. art. has: 2 figures. ASSOCIATION: Hoskovskiy institut tonkoy khimicheskoy tekhnologii im. H. V. Lomonosova (Institute of Fine Chemical Technology) SUBMITTED: 00 - ENCL: 02 SUB CODE: NO REF SOV: 003 OTHER: 004 ATD PRESS: 3124

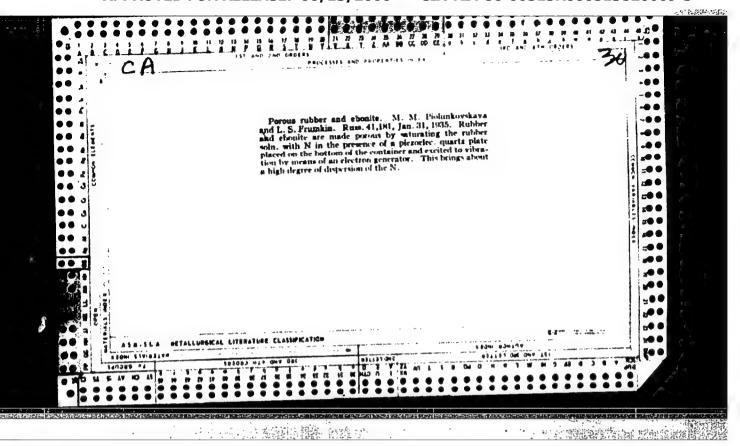


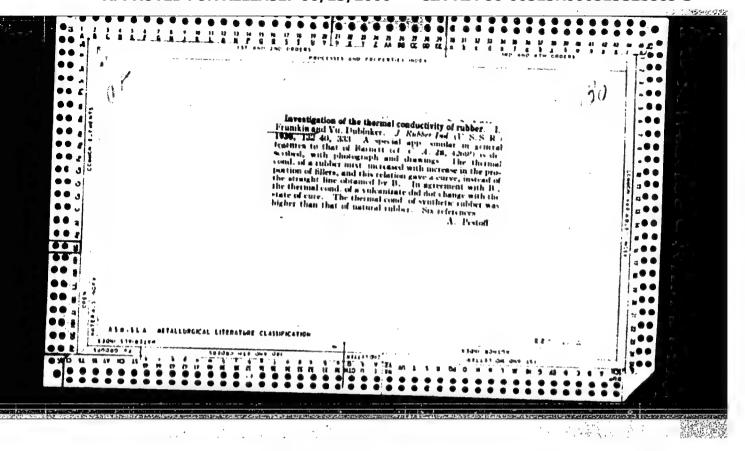


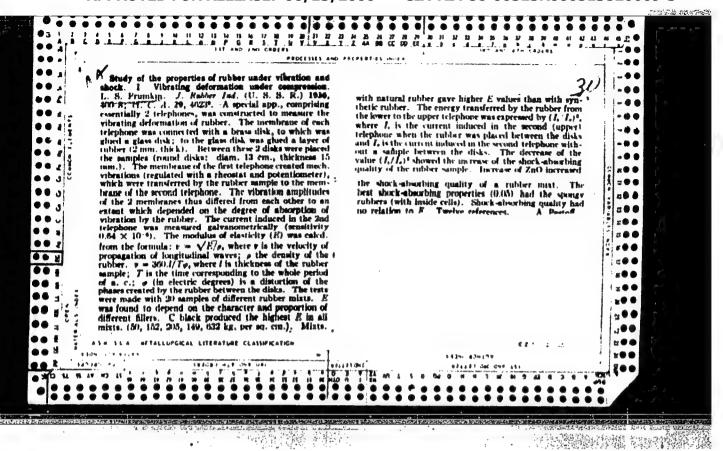


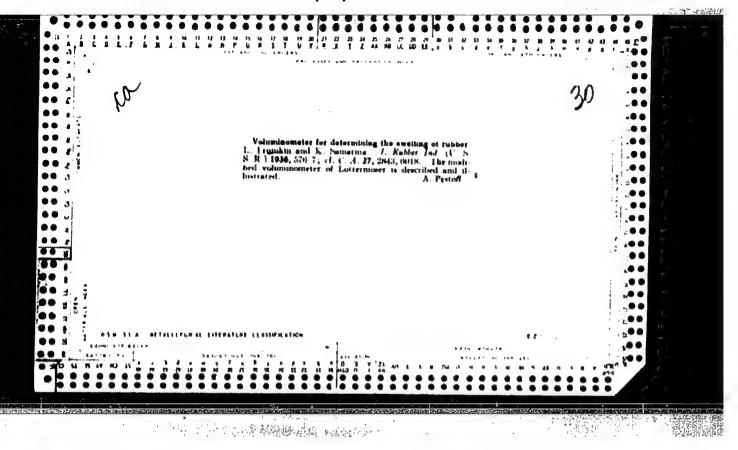


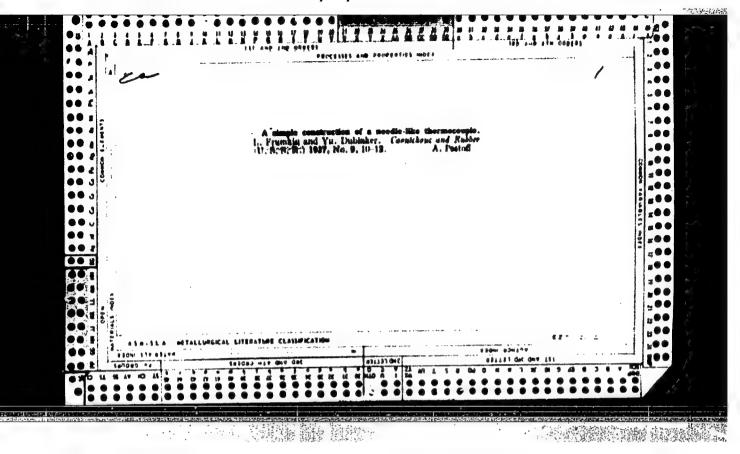


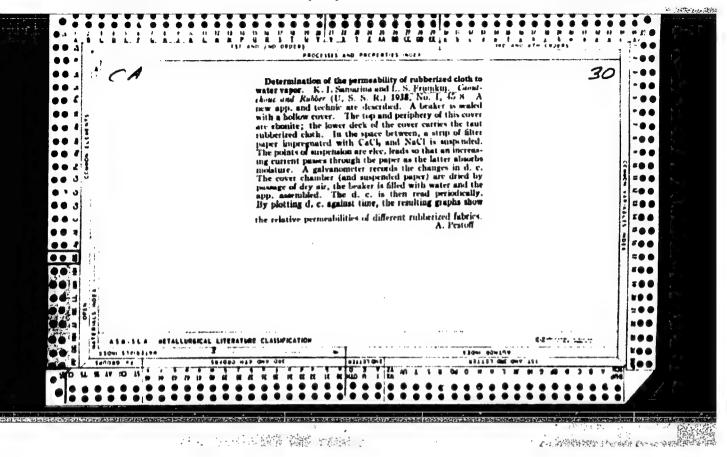


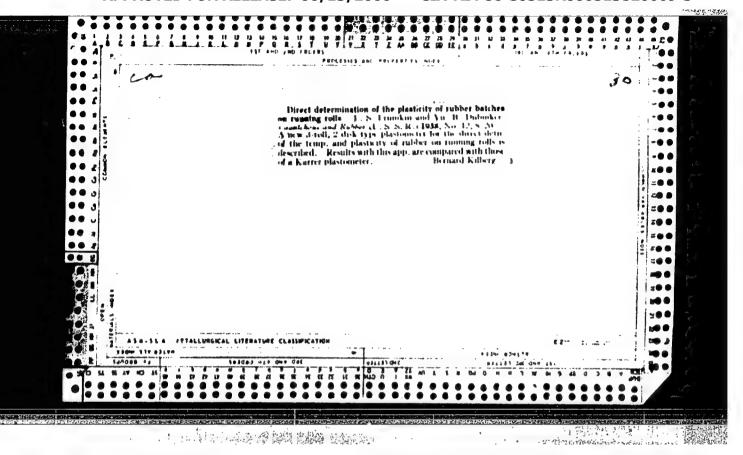


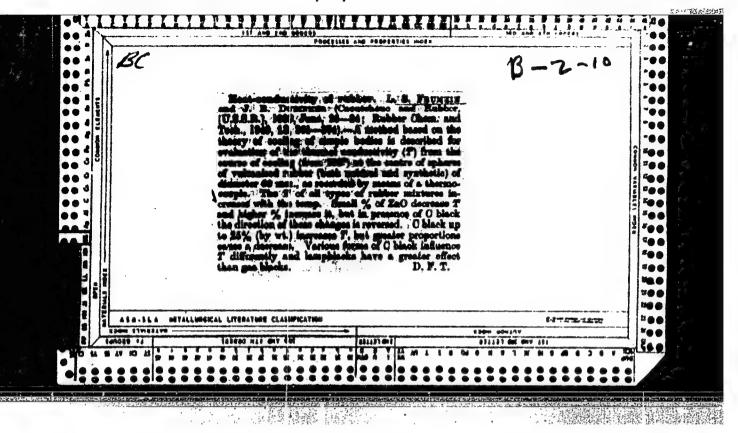


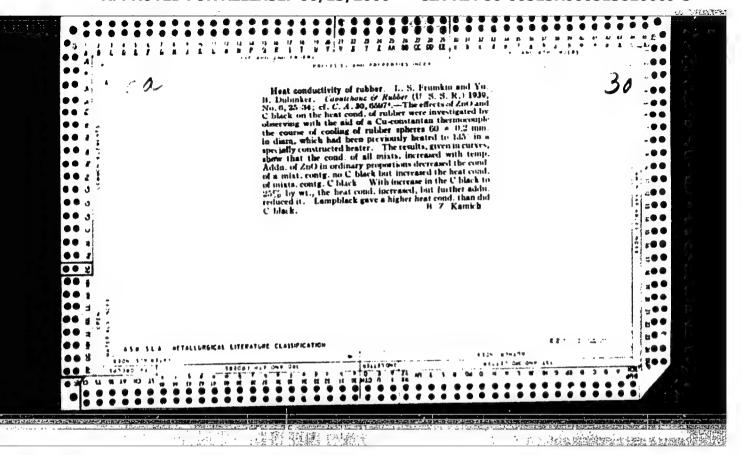


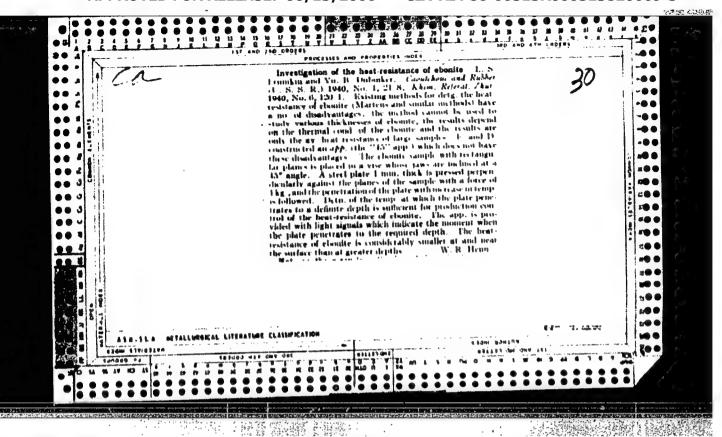


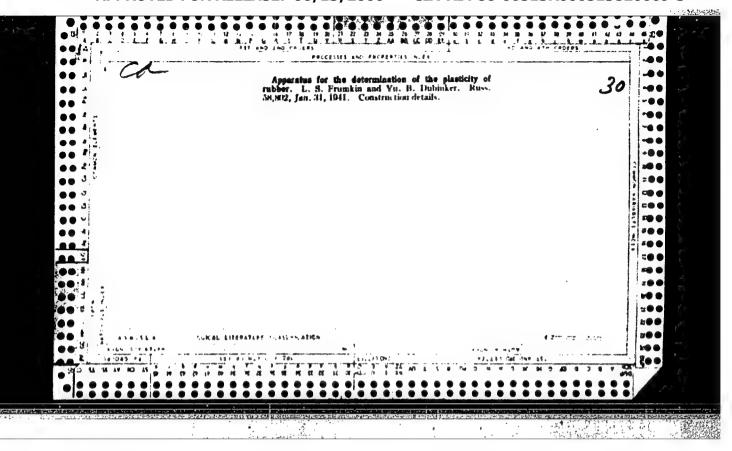


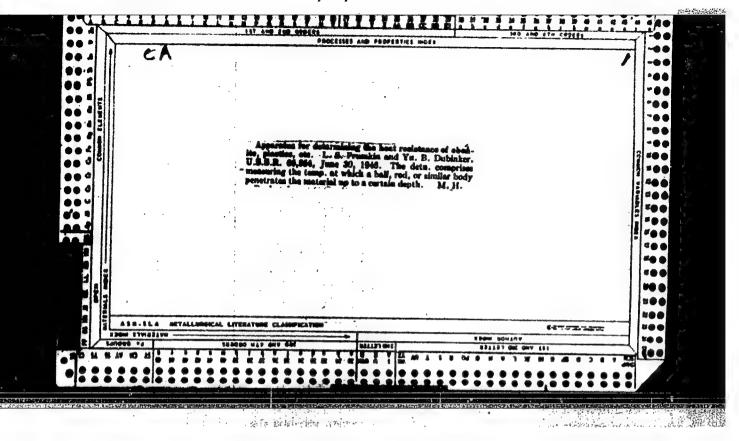


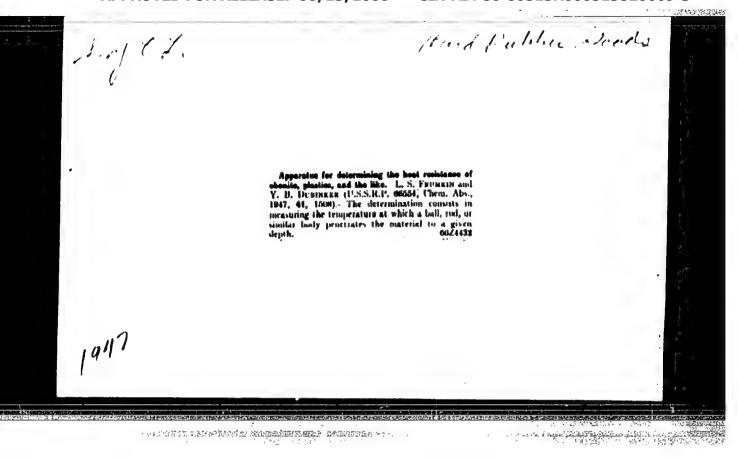










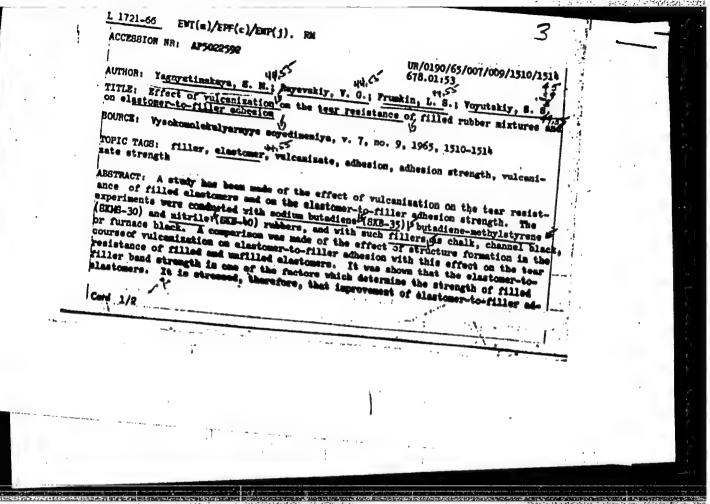


YAGNYATINSKAYA, S.M.; RAYEVSKIY, V.G.; FRUMKIN, L.S.; VOYUTSKIY, S.S.

Effect of vulcanization on the stripping resistance of filled rubber stocks and on elastomer to filler adhesion. Vysokom. soed. 7 no.9:1510-1514 S '65. (MIRA 18:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova i Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

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	Industry) BUBNITTED: 19 BO REF SOV: 6			Zi: 00	sus (
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	C-1 2/2						-

Two weeks with highway transport workers in Poland. Avt. transp. 38 no. 12:9-12 D '60. (MIRA 13:12) 1. Korrespondent zhurnala "Avtomobil'nyy transport." (Russia--Relations (General) with Poland) (Poland--Transportation, Automotive)

That is "Avtodoroshnik Ukrainy." Avt.transp. 41 no.4:58 Ap
'63. (Ukraine--Transportation, Automotive--Periodicals)

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SHUMOV, A., inzh.; FHUMKIN, M.; DMITRIYEV, I.

Traffic organization and safety. Avt. transp. 43 no.2:42-46
F '65.

(MIRA 18:6)

If the objectives of construction industry and automotive trans- portation workers are common. Avt. transp. 43 no.8:52-53 Ag 165.		
(MIRA 18:9) 1. Spetsial'nyy korrespondent zhurnala "Avtomobil'nyy transport".		
	9 3	

FRUMKIN, M.

Chemistry in automotive transportation, Avt. transp. 43 no.12: 53-56 D '65. (MIRA 18:12)

MARKOSYAN, A.A., red.; FRUMKIN, M.I., red.; TARASOVA, V.V., tekhn.red.

[Age morphology and physiology] Vozrastnaia morfologiia i fiziologiia, Pod red. A.A.Markosiana. Moskva, 1959. 386 p.
(MIRA 13:2)

l. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut fizicheskogo vospitaniya i shkol'noy gigiyeny. 2. Chlen-korrespondent APN HSFSR (for Markosyan).

(Age)

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FRUMKIN, M. L.

"Application of High-Frequency Sterilization for Improving the Quality of Fruit Preserves." Sub 28 Dec 51, Moscow Inst of National Economy imeni G. V. Plekhanov

Dissertations presented for science and engineering degrees in Moscow during 1951.

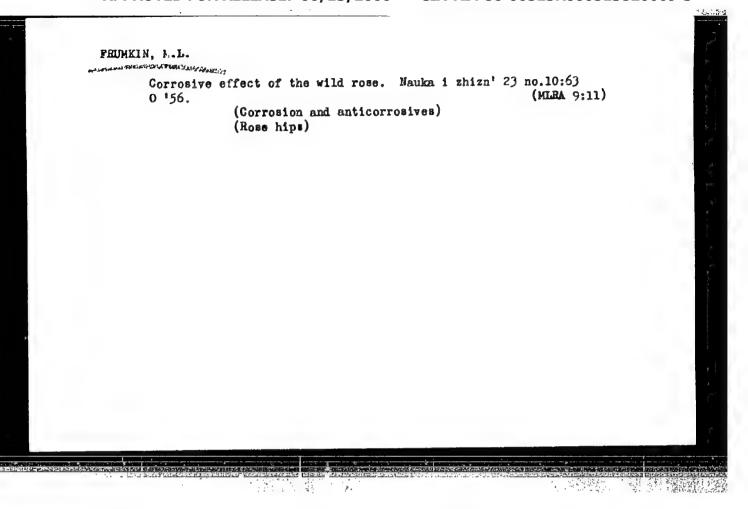
SO: Sum. No. 480, 9 May 55

CHERNYAYEV, N.D.; FRUMKIN, M.L.

Use of high-frequency currents in the canning industry.

[Isdaniia] LONITOMAN no.30:449-453 *52. (MIRA 8:1)

(Canning industry)



FRUMKIN, M.L.; KOVAL'SKAYA, L.P.

Discussion of methods for the preparation of potatoes for dehydration.

Kons.i ov.prom. 12 no.9:26-31 S '57. (MLRA 10:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Potato--Drying)

FRUMEIE, M.L.; KOVAL'SKAYA, L.P.

Haduction of sugar content of potatoes for dehydration. Kons. i ov.
pron. 13 no.3:6-10 Mr '58.

1. Vaesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Potatoes-Drying)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513820009-3"

FRUMKIN, M.L.; KOVAL'SKAYA, L.P.

Nonfermentative darkening of dried vegetables and potatoes during storage. Kons. i ov. prom. 13 no.8:20-23 Ag '58.

(MIRA 11:9)

1. Vassoyummy mauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'soy promyshlemnosti.

(Vagetables, Dried--Storage) (Potatoes--Storage)

FRUMKIN, M.L., starshiy nauchnyy sotrudnik; KOVAL'SKAYA, L.P., starshiy nauchnyy sotrudnik; YEPIKHINA, H.V., mladshiy nauchnyy sotrudnik

Steam-heating method of preparing potatoes for drying. Trudy
VNIIKOP no.9:53-67 '59. (MIRA 14:1)
(Potatoes-Drying)

FRUMKIN, M.L.: KOVAL'SKAYA, L.P.

Role of sugars in the processes responsible for the darkening of potatoes in drying. Kons.i ov.prom. 14 no.12: 13-16 D '59. (MIRA 13:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Potatoes--Drying)

ROGACHEV, V.I.; FRUNKIN, M.L.; KOVALISKAYA, L.P.; DORO MEYEVA, YO.V.

Changes in the coloring matter of beets sterilized by ionized radiations and heat. Kons.i ov.prom. 15 no.2: 13-16 F '60. (MIRA 13:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Beets--Sterilization) (Coloring matter)

FRUMKIN, M.L., starshiy nauchnyy sotrudnik; KOVALISKAYA, L.P., starshiy nauchnyy sotrudnik

Storage of dehydrated vegetables and potatoes. Trudy VNIIKOP no.9: 99-118 159. (MIRA 14:1)

(Vegetables, Bried-Storage)

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ROGACHEV, V. I.; FRUNKIN, M. L.; PAVLOVA, G. L.; DCZORETS, D.P.

Biochemical changes taking place in meat subjected to irradiation and during subsequent storage. Kons.i ov. prom. 15 no.6:13-15 Je 160. (MIRA 13:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Meat---Sterilization)

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ROGACHEV, V.I.; FRUMKIN. M.L.; KOVALISKAYA, L.P.; YEGOROVA, K.V.; DOROFEYEVA, Ye.V.

Certain factors causing the darkening of the tuber tissues of potatoes sterilized by ionizing radiation. Kons.i ov.prom. 15 no.8:11-15 Ag 160. (MIRA 13:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti. (Potatoes) (Radiation sterilization)

ROGACHEV, V.I.; FRUMKIN, M.L.; KOVAL'SKAYA, L.P.; YEGOROVA, K.V.

Transformations of coloring matter in green peas during sterilization by heat and gamma rays. Kons.i ov.prom. 15 no.9:19-24 S '60. (MIRA 13:9)

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FRUMKIN, M.L.; KOVAL'SKAYA, L.P.; DOROFEYEVA, Ye.V.

Transformations of fruit and berry anthocyaning in the course of sterilization by heat and prays. Kons.i ov.prom. 16 no.5: 8-12 My '61. (MIRA 14.5)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Fruit-Sterilization) (Anthocyanins)

FRUMKIN, M.L.; KOVAL'SKAYA, L.P.; YEGOROVA, K.V.; DOROFEYEW, YO.V.

Effect of the ionizing radiation on the amount and quality of grape juice. Kons. i ov. prom. 16 no.7:16-20 Jl '61.

(MIRA 14:8) 1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Grape juice) (Gamma rays-Industrial application)

CIA-RDP86-00513R000513820009-3" APPROVED FOR RELEASE: 06/13/2000

FRUMKIN, M.L.; KOVAL'SKAYA, L.P.; YEGOROVA, K.V.; POVALYAYEVA, I.P.

Duration of clarification and the quality of grape juice treated with X-rays. Kons. i ov. prom. 16 no.9:8-13 5 61. (MIRA 14:8)

Qualitative changes of free amino acids of irradiated meat during storage. Kons. i ov. prom. 16 no.11:14-16 N '61.

(MIRA 14:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Meat—Preservation)

(Gammay rays—Industrial application)

FRUMKIN, M.L.; PAVLOVA, G.L.; DOZORETS, D.P.

Autolytic changes in irradiated meat in storage. Kons.i ov.prom. 17 no.2:4-6 F '62. (MIRA 15:5)

1. TSentral'myy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Meat---Preservation)

FRUMKIN, M.L.; SHCHEGOLEVA, G.I.; BARSKAYA, E.M.

Use of rays for the disinfestation of food products. Kon.i ov. prom. 17 no.11:23-26 N '62. (MIRA 15:11)

FRUMKIN, M.L.; PAVLOVA, G.L.; DOZORETS, D.P.

Effect of gamma rays on some protein fractions of beef. Kons.i ov.prom. 18 no.1:19-22 Ja 163. (MIRA 15:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Protein--Analysis) (Radiation sterilization)

FRUMKIN, N.B.; SKOPAROV, I.Ya.

Unify the efforts in constructing local roads. Avt. dor. no.10:20-21 0 '64. (MIRA 17:12)

1. Starshiy inzh. otdela mestnykh dorog Olavnogo upravleniya shosseynykh dorog pri Sovete Ministrov BSSSR (for Frumkin).

LEVCHENKO, G.I., admiral, otvetstvennyy red.; DEMIN, L.A., dots., kand. geogr. nauk, inzh.-kontr-admiral, glavnyy red.; ZBUKIN. M.S., polkovnik, zamestitel' otvetstvennogo red.; ABAN'KIN, P.S., admiral, red.; ALAPUZOV, V.A., prof., kand. voenno-morskikh nauk, admiral. red.: ANAN'ICH, V. V., kontr admiral zapasa, red.; ACHKASOV, V.I., kand. istor. nauk, kapitan 1 ranga, red.; BARANOV, A.N., red.; BELLI, V.A., prof., kontr-admiral v otstavke, red.; BESKROVEYY, L.G., prof., doktor istor. nauk, polkovnik zapasa, red.; BOLTIN, Ye.A.. kand. voen. nauk:, general-mayor, red.; VERSHININ, D.A., kapitan 1 ranga, red.; VITVER, I.A., prof., doktor geogr. nauk, red.; GML'FOND, G.M., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red., GLINKOV, Ye.G., inzh.-kontr-admiral v otstavke, red.; YALISHYEV, I.D., vitse-admiral, red.; ZOZULYA, F.V., admiral, red.; ISAKOV, I.S., prof., Admiral Flota Sovetskogo Soyuza, red.; KAVRAYSKIY, V.V. [deceased], prof., doktor fiz.-mat. nauk, inzh.kontr-admiral v otstavke, red.; KALESNIK, S.V., red.; KOZLOV, I.A., dots, kand, voenno-morskikh nauk, kapitan 1 ranga, red.; KOMAROV, A.V., vitse-admiral, red.; KUDRYAVTSEV, M.K., general leytenant tekhnicheskikh voyak, red.; LYUSHKOVSKIY, M.V., dots., kand. istor. nauk, polkovnik, red.; MAKSIMOV, S.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; OKUN; S.B., prof., doktor istor. nauk, red.; ORLOV, B.F., prof., doktor geogr. nauk, red.; PAVLOVICH, N.B., prof., kontr-admiral v otstavke, red.; PANTRIZTEV, Yu.A., admiral, red.; PITERSKIY, N.A., kand. voenno-morskikh nauk, kontr-admiral, red.; PIATONOV, S.P., general-leytenant, red.; POZNYAK, V.G., dots. general leytenant, red.; SALISHCHEV, K.A., prof., doktor tekhn. nauk, (Continued on next card)

LEVCHENKO, G.I.—(continued) red.; SIDOROV, A.L., prof., doktor istor. nank., red.; SKORODIMOV, Card 2. L.A., kontr-admiral, red.; SHMZHINSKIY, V.A., prof., doktor Voenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SOLOV'NEV, I.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; STALBO, K.A., kontr-admiral, red.; STEPANOV, G.A. [deceased], dots., vitseadmiral, red.; TOMASHEVICH, A.V., prof., doktor voenno-morskikh nauk, kontr-admiral v otstavke, red.; TRIBUTS, V.F., kand. voenno-morskikh nauk, admiral, red.; CHENYSHOV, P.I., kontr-admiral, red.; SHVEDE, Ye. Ye., prof. doktor voenno-morskikh nauk, kontr-admiral, red.; CHUMBAKOV, A.I., tekhn. red.; VASIL'YAVA, Z.P., tekhn. red.; VIZIROVA, G.N., tekhn. red.; GOROKHOV, V.I., tekhn. red.; GRIN'KO, A.M., tekhn. red.; KUBLIKOVA, M.M., tekhn. red.; MALINKO, V.I., tekhn, red.; SVIDERSKAYA, G.V., tekhn, red.; CHERNOGOROVA, L.P., tekhn, red.; GUREVICH, I.V., tekhn, red.; BUKHANOVA, N.I., tekhn, red.; NIKOKAYEVA, I.N., tekhn. red.; RADOVIL'SKAYA, E.O., tekhn. red.; TIKHOMIROVA, A.S., tekhn. red.; BRLOCHKIN, P.D., tekhn. red.; LOYKO, V.I., tekhn. red.; ROMANYUK, I.G., tekhn. red.; MAROSHEVICH.

[Sea atlas] Morskoi atlas. Otv. red. G.I. Levchenko. Glav. red. L.A. Demin. [Moskva] Isd. Glav. shtaba Voenno-morskogo flota. Vol.3. [Military and historical. Pt.1. Pages 1-45] Voenno-istori-cheskii. Zamestitel' otv. red. po III tomu N.S. Frunkin. Pt.1. Listy 1-45. 1958. [Military and historical maps, pages 46-52] (Continued on next card)

LWCRaiko, G.I.---(continued) Card 3.

Voenno-istoricheskie karty, listy 46-52. 1957. (MIRA 11:10)

1. Russia (1923--- U.S.S.R.) Ministerstvo oborony. 2. Machal'nik Glavnogo upravleniya geodezii i kartografii Ministerstva vmutrennikh del SSSR (for Baranov). 3. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik). 4. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Orlov).

(Ocean--Maps)

MUSTAFIN, I.S.; FRUMINA, N.S.; KOVALEVA, V.S.

Determination of copper in various substances with the aid of 2,2'-bicinchoninic acid. Zav.lab. 29 no.7:732-785 '63.

1. Nauchno-issledovatel'skiy institut khimii pri Saratovskom (MRRA 16:8) gosudarstvennom universitete.

(Copper—Analysis) (Cinchoninic acid)

BERG, S.L., polkovnik; VOROB'YEV, V.I., kapitan pervogo ranga; GIL'BO, G.M., kapitan pervogo ranga; ANANCHENKO, A.A.; BALAKSHINA, M.M.; BANNIKOV, B.S., kapitan vtorogo ranga; BAKHTINA, G.F.; BERENSHTAM, N.V.; BUTYRINA, N.Ya.; VOROB'YEV, V.I., kapitan pervogo ranga; GASS, I.P.; GINEYSH, N.S.; GLADIN, D.F., polkovnik; GOLOVANOVA, L.G., kand. ist. nauk; GOLUHEVA, Z.D., kand. filol. nauk; GONCHAROVA, A.I.; ZANADVOROVA, R.N.; IVANOVA, N.G.; KARAMZIN, G.B.; KOVAL'CHUK, A.S.; KRONIDOVA, V.A.; LITOVA, Ye.I.; MOLCHANOVA, T.I.; OKUN', L.S.; POCHEBUT, A.N.; FAYTSES, V.I.; SAVINOVA, G.N.; SENICHKINA, T.I.; SKRYENIKOV, R.G., kand. ist. nauk; FURAYEVA, I.I.; CHIZHOVA, N.N.; YASINSKAYA, L.F.; GLADIN, D.F., Polkovnik; LAHETSKIY, Ye.F., podpolkovnik; LEHEDEV, S.M., kapitan pervogo ranga; ORDYNSKIY, N.I., kapitan pervogo ranga; NADVODSKIY, V.Ye., podpolkovnik; DEMIN, L.A., inzh.-kontr-admiral, glav. red.; FRINKIN, N.S., polkovnik, zam. otv. red.; LEVCHENKO, G.I., admiral, red.; BAKHTINA, G.F., tekhn. red.

[Naval atlas] Morakoi atlas. n.p. Izd. Glavnogo Shtaba Voenno-Morakogo Flota. Vol.3. [Naval history] Voenno-istoricheskii. Pt.l. [Text for the maps] Opisaniia k kartam. 1959. xxii, 1942 p. [MIRA 15:5]

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Naval history)

FRUMKIN, N.S., polkovnik zapasa

Who is the main culprit of the catastrophe at Pearl Harbor. Mor. sbor. 46 no.10:90-94 0 '63.

(MIRA 18:12)

FRUMKIN, O., akademik

Rebirth of electrochemistry. Nauka i zhyttia 12 no.3:26-29 Mr 163. (MIRA 16:11)

Who discovered Cape Prince of Wales? Geog. v shkole no.6:59-61 W-D '57. (Prince of Wales, Cape-Discoveries (in geography)) (Discoveries (in geography)--Prince of Wales, Cape)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513820009-3

FRUMKIN, P. A.,

"Notes on the History of Spitzbergen," Chronicles of the North; Yearbook of Historical Geography, History of Geographical Discoveries and Exploration of the North) v. 2, Moscow, Geografigiz, 1957. 279 p. (Akademiya nauk SSSR. Kommisiya po problemam Severa).

Editorial Borad: Andreyev, A. I., Belov, M. I., Burkhanov, V. F., Yefimov, A. V. (Resp. Ed.), Chernenko, M. B. (Deputy Resp. Ed.) and Shcherbakov, D. I.; Ed.: Vorontsova, A. I.; Tech. Ed.: Kosheleva, S. M.: Map. Ed.: Mal'chevskiy, G. N.

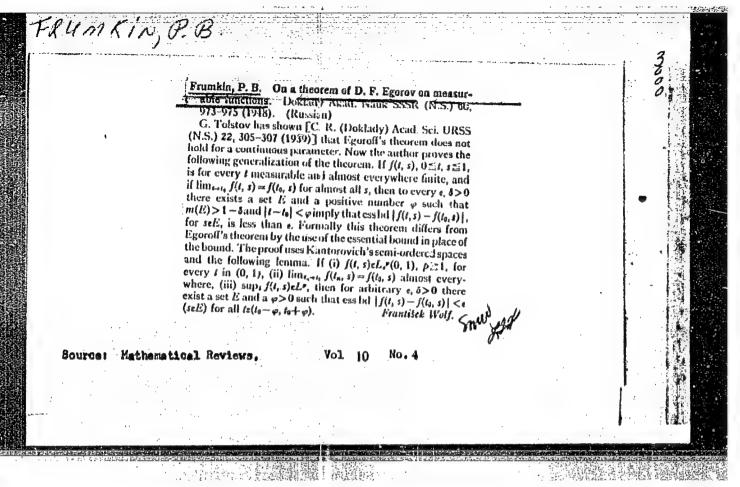
PURPOSE: The book is intended for readers interested in the Soviet Arctic.

COVERAGE: The present volume, the second of a series of three, is a collection of 27 articles by various authors presenting an historical account of the exploration and economic development of the Soviet North. A small part of the book is devoted to Arctic areas beyond the confines of the Soviet Union. The aim of the book is to contribute to an understanding of the physical geography, cartography, ethnography, and economy of the Soviet North through a historical survey of these factors. A large number of authors explorers, scientists, travellers, pilots, navigators, etc., are cited.

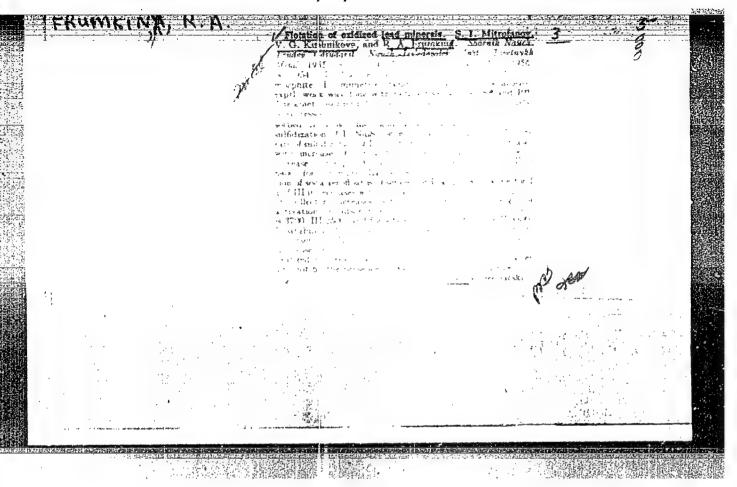
FRUMKIN, P.A.

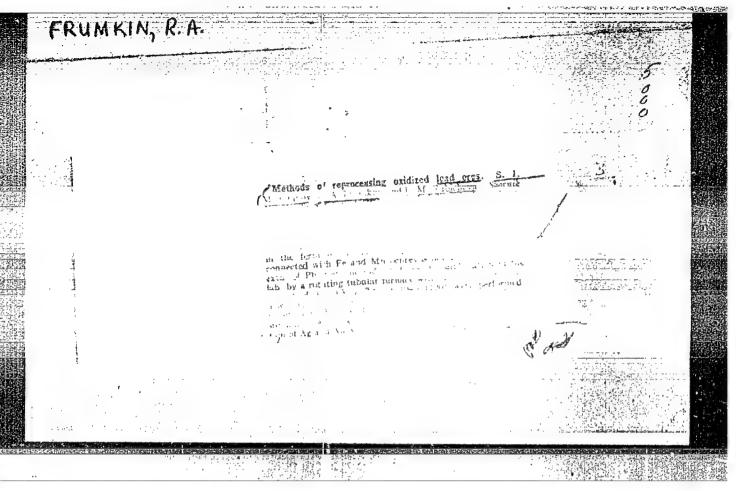
For the history of the discovery of Spitsbergen. Let. Sev. 2:142-147 '57. (MIRA 10:12)

1. Institut aeroklimatologii Glavnogo upravleniya gidrometeorologicheskoy sluzhby pri Sovete ministrov SSSR. (Spitsbergen--Discovery and exploration)



"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513820009-3





FROMKING, V. FRUMKIN, VA.

"La sulfidine dans la therapie des maladies internes." Frounkine, V., et Piacetskaia, A., (p. 123)

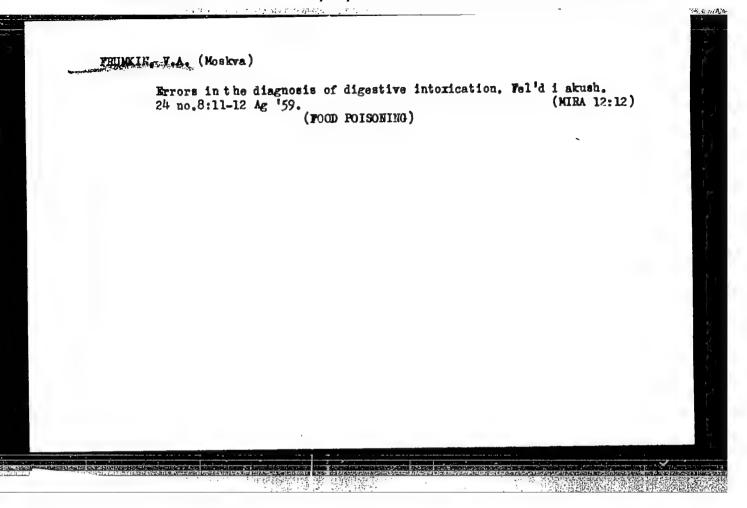
So: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume 18, no. 5.

FRUMKIN, V. A.

Arteries - Diseases

Intra-vitam diagnosis of periarteritis nodosa. Klin. med. 31, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.



"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513820009-3 AP6035760 DJ AUTHOR: Med, G. D.; Frumkin, V. B. SOURCE CODE: UR/0413/66/000/019/0131/03 ORG; none TITLE: Fuel turbopump regulator. Class 60, No. 186863. [announced by Central Scientific Research Design and Planning Boiler and Turbine Institute im. I. I. Polzunov (Tsentral nyy nauchno-issledovatel skiy i proektno-konstruktorskiy SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 131 TOPIC TAGS: fuel pump, aircraft fuel system, aircraft fuel pump, turbopump ABSTRACT: The proposed regulator for maintaining a constant pressure in the pump pressure line contains a pressure transducer which transmits a pulse through an intermediate hydraulic amplifier to a spring loaded one-way servomotor. To increase stability and operational reliability, the servomotor piston imcorporates a bushing with a slide valve mounted in t which receives a pulse from the rpm transducer; the slide valve is connected by a rigid feedback to the intermediate amplifier for automatic continuous operation of the regulator according to the pressure and the rpm. In a variation of this device, to operate the regulator from the air speed transducer only, the intermediate amplifier is made in the form of a housing containing a movable bushing with a movable slide valve inside; the bushing also contains a limiter STILL VDC: 621.646.45; of the for the displacement of the slide va 1621.675 transducer only, the servomotor has an immove speed regulator slide (see Fig. 1). Orig. art. has: APPROVED 21/ SUBM DATE: 26Apr65/ ATD PRESS: 5103

9,4320 (1141,1143,1154)

20116 S/115/61/000/003/010/013 B124/B204

ROHTUA

Frumkin, V. D.

TITLE:

Particular features in the operation of thermistors during the action of a pulsed ultrahigh-frequency signal

PERIODICAL: Izmeritel'naya tekhnika, no. 3, 1961, 45-51

TEXT: The examination of the behavior of thermistors on feeding with alternating current of a frequency of several kcps showed that they may behave as elements of low inertia, which then results in the phenomena as deformation of the shape of the voltage in the thermistor fed with purely sinusoidal current, phase shift of voltage to current etc. The authors performed an exact calculation of the non-uniform current density (first described by M. V. Abrosimov and L. A. Lyubimov) over the cross section of a cylindrical semiconductor thermistor, assuming that 1) the length of the thermistor as compared to its radius is sufficiently great in order to make the heat transfer along the axis negligible; 2) the thermistor is fed with current limiting the energy liberated in the thermistor (and thus also limiting temperature), and 3) the temperature

Card 1/5

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S/115/61/000/003/010/013 B124/B204

Particular features in the

coefficient of conductivity does not depend on temperature. The thermal equilibrium equation and the boundary condition are then given in the form $d^2T/dr^2 + (1/r) \cdot (dT/dr) + (1/x)F = 0$ (1) and $(dT/dr + hT)_{r=a} = T_{aV}$ (2), where T denotes temperature, x the thermal conductivity coefficient, a the radius of the thermistor, h the heat exchange coefficient, T_{aV} the surrounding temperature, $F = \sigma E^2$ the density of heat sources, σ the conductivity, and E the electrical field. The solution of (1) with consideration of (2) is given by the equation

 $T = T_{ap} + \frac{1}{a} \left[\frac{I_0(pr)}{I_0(pa) - \frac{p}{h} I_1(pa)} - 1 \right]. \tag{3}$

where a stands for the coefficient of temperature conductivity, $p = E V \sigma_0 a / \kappa$, σ_0 the conductivity of the semiconductor at the temperature of the surrounding medium, I_0 , I_1 the Bessel functions of zeroth and of first order, respectively. From (5) the author determined the maximum

20Џ6 \$/115/61/000/003/010/013 В124/В204

Particular features in the

current density ratio over the cross section of the thermistor whose parameters were identical to those of the TW-2 (TSh-2) thermistor. The equation $T(r,t) = (P/4\pi^2 \kappa r) \sum_{n} (1/n) [\sin n\Omega t_i - j(1-\cos n\Omega t_i)] e^{-a_n r} e^{-a_n r}$ (10), where t, denotes the pulse duration, $n = 0, 1, 2, 3..., \Omega$ the angular frequency of the pulse sequence, and $a_n = \sqrt{\Omega \, \text{ncg}/2 \kappa}$ the expansion constant, shows that the heat propagation from a point source has the nature of a wave; a_n increases in proportion with \sqrt{n} , and with rising number of harmonics attenuation increases. When the energy dissipated periodically by short-time pulses is concentrated in a relatively small region of the semiconductor, heat exchange during one pulse sequence may be regarded a heat exchange between the active domain of the semiconductor and the remaining mass of the thermistor. The thermal balance equation $C(d\theta/dt) + K\theta = P(t)$ (C denoting the total heat content of the zone, K the heat transfer coefficient, 0 the temperature change, P(t) the measured energy) (11) holds on the assumption that the energy transduced to the thermistor by a ultrahigh-frequency pulse signal is uniformly Card 3/5

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Section of the Section of

201/16 S/115/61/000/003/010/013 B124/B204

Particular features in the ...

dissipated in the volume of the active zone, that the temperature of the active zone is equal at every moment, and that the specific heat and the coefficient of heat transfer between the zone and its environment do not depend on temperature. In the case of $t\rightarrow\infty$,

 $\theta_{1} = \theta_{0} \begin{bmatrix} -\frac{t}{\tau} & \frac{t_{e} - t_{u}}{\tau} \\ 1 - r & \frac{1 - e^{-\frac{t_{e}}{\tau}}}{1 - e^{-\frac{t_{e}}{\tau}}} \end{bmatrix}$ (12)

holds for the duration of pulse action, and

 $\theta_{y} = \theta_{0} \frac{1 - e^{-\frac{\ell_{y}}{\eta}}}{\frac{\ell_{e}}{\eta}} \cdot e^{-\frac{\ell - \ell_{y}}{\eta}}$ (13)

for the time intervals between the pulses, where $\theta_0 = P/K$, and $\tau = C/K$ the time constant of heat exchange. On the condition $t_i \le 0.1\tau$ and $\tau \le 0.1t_c$, Card 4/5

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Particular features in the ...

Eq. $\tau(12)$ is simplified to $\theta_1 = (P/C)t$ (15) and Eq. (13) to

$$\theta_{z} = \theta_{0} \frac{t_{u}}{\tau} e^{-\frac{t-t_{u}}{\tau}} = \frac{Pt_{u}}{C} e^{-\frac{t-t_{u}}{\tau}}$$
(16)

whereas for temperature increase the expression $\theta_i = Pt_i/C = W_i/C$ holds (W_i) denotes the energy of one pulse). The maximum change in resistance of the thermistor is described by the equation $\Delta R_{\theta} = R(0) - R(t_i) = R(t_i) - R(t_c)$ (22), or simpler by $R_0 = a_0\theta_i R_0$ (a denotes the relative temperature sensitivity of the thermistor, R_0 the d.c. resistance of the thermistor). The dependence of the change in d.c. resistance of the thermistor as caused by a high-voltage field arising from the applied ultrahigh-frequency energy is expressed by $R_i(P) = 2R_0 k_1 U_0 / n [\sqrt{(P/P_n)} - 1 - \arccos \sqrt{(P_n/P)}]$ (29), where R_0 denotes the resistance of the thermistor; k_1 , U_0 , and P_n are constants; n stands for the carrier concentration. There are 5 figures and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. Card 5/5

"APPROVED FOR RELEASE: 06/13/2000 (

CIA-RDP86-00513R000513820009-3

9.6000 9.3275 356h3 • s/589/61/000/053/001/008 B109/B104

AUTHOR:

Frankin, V. D.

promise and the

Error of the VIM-1 thermistor bridge in pulse power measurements

DOURGE:

UBBR. Komitet standartov, mer i izmeritel'nylh priborov. Truly institutov Komiteta. no. 53(113). 1961. Issledovaniya v oblasti radiotekhnicheskikh izmereniy... 21 - 28 ...

TEXT: Polse power measurements with the 5.1-1(VIM-1) bridge have an error of up to 20% for pulse repetition frequencies between 50 and 400 pulses/sec. This is due to the fact in spite of the delayed action of the thermistor, every single pulse causes a slight change in the resistance of the thermistor (of the order of some ohms for the type VM-2(TSh-2) for pulse powers of approximately 10-5 joules). Apart from the high thermal time constant of some tenths of seconds, thermistors have another smaller time constant of 10 to 100 microseconds which is due to the low heat capacity between the current-carrying part and the remaining mass of the semiconductor. In the VIM-1 instrument (Fig. 2), the thermistor is in the main bridge OM, and its resistance is affected by the UHF signal to be measured. The feed-card 1/3

\$/589/61/000/053/001/008 8109/8104

Error of the VIM-1 thermistor ...

back of the output voltage of the amplifier PY causes the formation of natural oscillations with lacking Unit signal (approximately 104 eps). If the unit field is applied, these natural oscillations cause for top seconds since the bridge is accurately tuned by the heating of the thermister, the input voltage at the amplifier vanishes and controlling by the feedback mechanism is excessively delayed. The duration of cossation of natural oscillations, at a given pulse period to only depends on the mean pulse power but not on the power of a single pulse so that $V_A = V_B \int t_{\rm c}/(t_{\rm c} - t_{\rm cp})$, where V_A is the bridge voltage for pulse modulation in the keying intervals, V_A is the bridge voltage for the nonmodulated signal of the same mean power as that of the pulse modulated signal. The ratio between the power

where U_N is the bridge voltage for pulse modulation in the keying intersection is the bridge voltage for the nonmodulated signal of the same mean power as that of the pulse modulated signal. The ratio between the power of the nonmodulated signal P_{NSN} indicated by the millivoltmeter MB and the power of the pulse modulated signal P_{MSN_N} is $\frac{P_{NSN_N}}{P_{MSN_N}} = \frac{1}{1 - t_{CP}/t_C}.$ Since

both signals actually have the same mean power, $P_{N3M_{2}} = P_{N3M}$. The error

Card 2/4

S/589/61/000/053/001/008 B109/B104

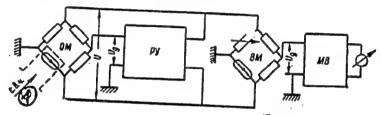
Error of the VIM-1 thermistor ... By therefore is $\frac{P_{M3}A_{N}-P_{M3}A_{N}}{P_{M3}A_{N}}=\sqrt{1-t_{cp}/t_{c}}-1$.

The dependence of the error \hat{s}_{μ} on $\mathbf{t}_{\mathbf{c}}$ and the pulse repetition frequency $\mathbf{F}_{\ell,k}$ is shown in Fig. 6. There are 6 figures and 2 Soviet references.

AUGOCIATION: VNIIFTRI

SUBNITTED: January 8, 1960

Fig. 2. Circuit diagram of the bridge
Legend: OM - main bridge; PY - feedback amplifier; BE - auxiliary bridge;
MB - millivoltmeter; (1) - UHF.



Card 3/4

ERYANSKIY, Lev Nikolayevich; FRUMKIN, V.D., kand. tekhn. nauk, nauchm. red.

[Exact microwave measurement of the coefficients of standing waves of voltage and total resistances] Tochnoe izmerenie koeffitsienta stoiachei volmy napriazheniia i polnykh soprotivlenii na aantimetrovykh volnakh. Moskva, Standartgiz, 1963. 141 p. (MIRA 17:5)

L 19676-65 FMT(d)/FMT(1)/EFC(k)-2/SEC-li/EMA(h) Po-li/Pq-li/Pe-li/Feb/Pk-li/Pl-li
SSD/FML

ACCESSION NR: AP4049082

5/0115/64/000/009/0043/0045

AUTHOR: Pronenko, V. I.; Frumkin, V. D.

TITLE: Checking power meters

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 43-45

TOPIC TAGS: power meter, power measurement, SHF power measurement qw

ABSTRACT: An outfit for checking SHF-power meters is described; it consists (see Enclosure 1) of signal generator 1, directional coupler 2, fixed attenuator 3, thermistor head 4, thermistor bridge 5, coupling member 6, and wavemeter 7. The outfit can operate as a reference generator after an "attestation" is given to its power calibrator. The "attestation" includes determining, at rated frequencies, the ratio of the output power at attenuator 3 terminated by a matched load to the actual value of the equivalent power in head 4. Formulas for checking procedures, for the reflection factor of a reference power meter, and for the

Card 1/32

"APPROVED FOR RELEASE: 06/13/2000

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ACCESSION NR: AP4049082

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errors involved are presented. The principal purpose of the power calibrator is an overall check of low-power meters; however, the calibrator can also be used for checking (with an error of ± 0.25 db) the measuring receivers. "Engineers V. R. Grigorova and V. M. Samsonov, Designer A. F. Fedorova and Technician T. I. Politenkova took part in developing and testing the power calibrators."

Orig. art. has: I figure and 12 formulas.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: EC

NO REF SOV: 000

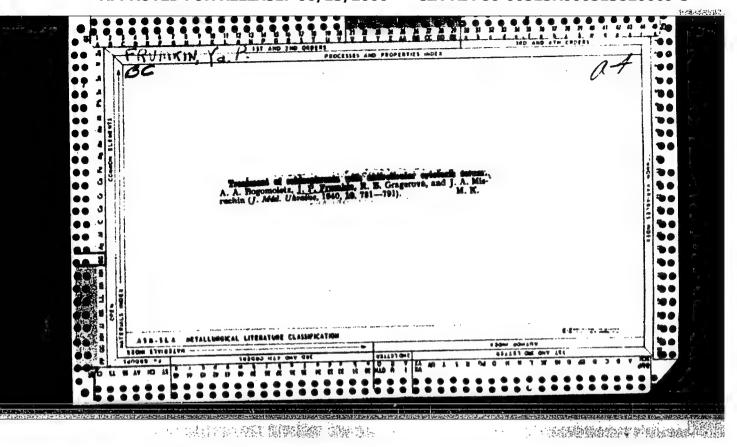
OTHER: 000

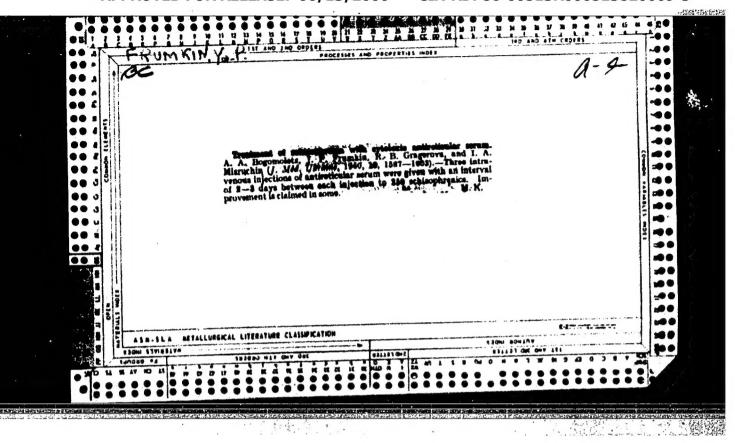
Card 2/3

ERATUS!, V.B., prof. red.; ZAYKO, N.I., prof. red.; MANUALIZATE, L.B., prof., red.; PRINTE, F.Ye., prof. red.; MANUALIZATE, M.S., prof. red.; FRUNKIL, Ya.I., prof. red.; MENTALIZATE, L.V., red.; MENGUE, P.Ya., red.

[Fhysiology and pathology of connective tipsue] Finielogia i putologiia seedinitel'noi thuni. Kiev, Zdorov'ia, 1964. 251 p. (MIRA 18:1)

1. Kiev. Medychnyy instytut.





FRIMKIN, YA. P., MAN KOVSKY, B.M.

35436. Opyt Prakticheskoy svyazi Kafedr Kievskogo Med. Instituta grayonnymi organizashchchyami zdravookhraneniya. Vracheb. Delo, 1949, No. 11, stb. 1045-46.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

FILLETO, Ya. F.

328C6. Frunchin, Ya. F.; Divlo, I. Y.; i Mizruchin, I. A. Editelbayy craryvistry
und, ziektrochok i zlekto-natkoshok v lechyenii i izuchyenii shizofrenii I. Nard
Tunkstional noy seikhichyeskoy retologii. Trudy Klyavsk. Nauch. - issled. Psikhonevrol. In-ta, T. XII, 1949, s. 175-82

S0: Ietopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513820009-3"

